

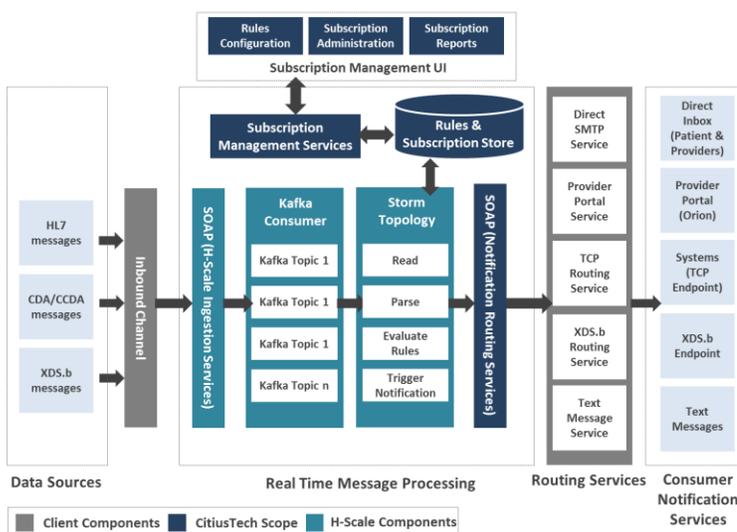
Case Study

Real-Time Message Processing, Event Notification

Client Requirements

Client is a HMO, providing commercial and Medicare plans to over 2 million members in Pennsylvania. To ensure collaborative patient management and drive proactive interventions, client needed a flexible, scalable and an automated subscription-based event notification and alert service for its end users. The solution would use community clinical data to alert the appropriate stakeholder at the point-of-care.

Solution Schematic



CitiusTech Solution:

- Developed independent modules for subscription administration, notification brokering, notification / message routing
- Leveraged H-scale and its Hadoop-based components (REST API, Kafka Consumer, Real-Time Storm Topology) to enable real-time message processing
- Enabled real-time monitoring for interface, network traffic and sent notifications using DIRECT email, SMS alerts and IHE messages
- Provided support for registry/repository for code value sets and Healthcare Provider Directory (HPD)

Value Delivered

- Leveraged CitiusTech's Hadoop and big data expertise to build a scalable solution and create data assets for additional use cases
- Built a robust healthcare data model to process 300,000 - 400,000 messages per day

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About CitiusTech

CitiusTech is a provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,500 professionals worldwide and serving over 75 healthcare organizations globally. CitiusTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiusTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.

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